

FIG.1

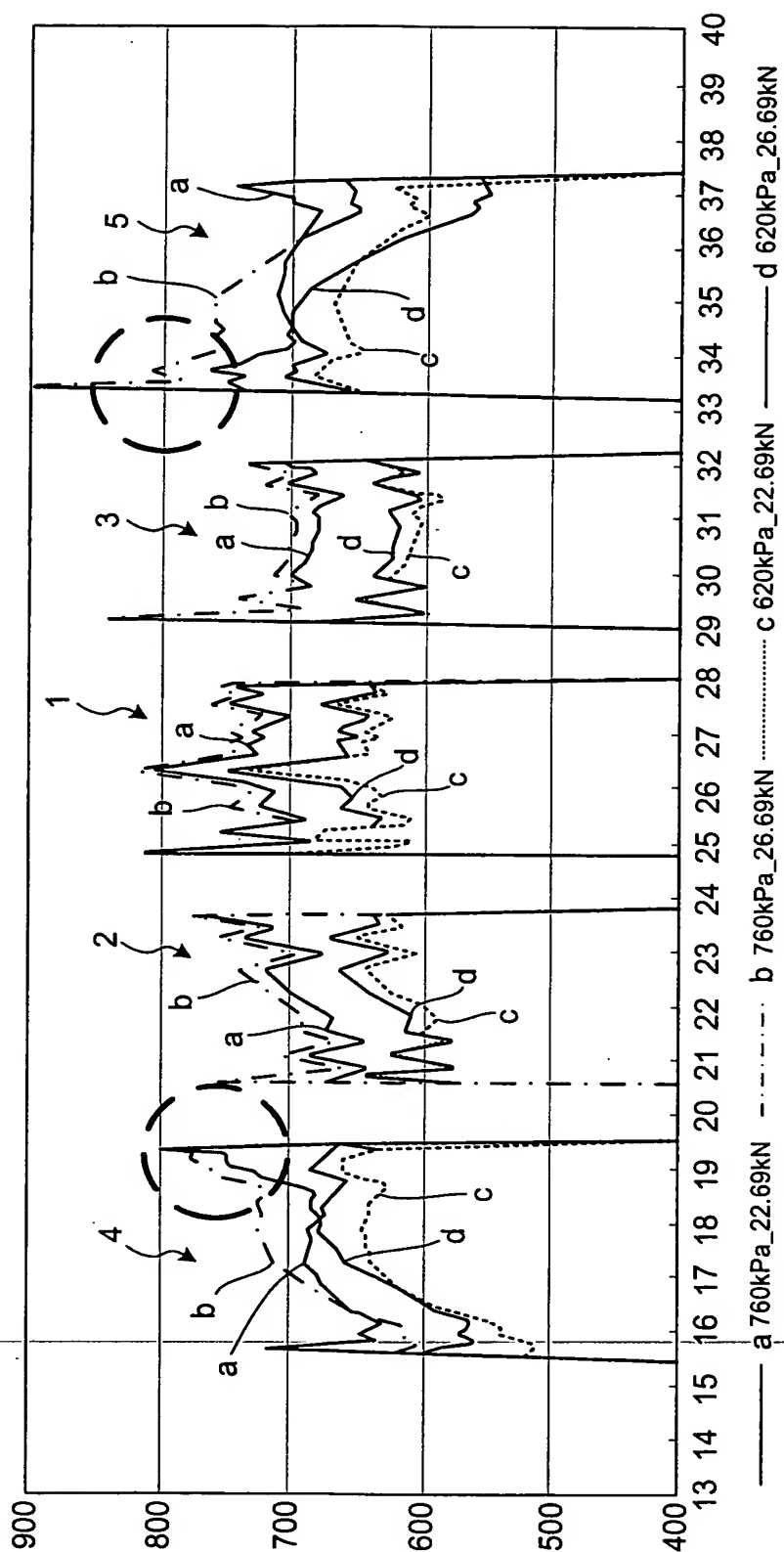


FIG.2























	INNER GROOVE ANGLE	OUTER GROOVE ANGLE	RIB SURFACE BUFFING SHAPE
FIRST COMPARATIVE EXAMPLE			-
CONVENTIONAL PRODUCT			-
FIRST EXAMPLE			-
SECOND EXAMPLE			-
THIRD EXAMPLE			-
SECOND COMPARATIVE EXAMPLE			RIB SURFACE CONCAVE (SMALL) 
THIRD COMPARATIVE EXAMPLE			RIB SURFACE CONCAVE (LARGE) 
FOURTH COMPARATIVE EXAMPLE			RIB SURFACE CONVEX (SMALL) 
FIFTH COMPARATIVE EXAMPLE			RIB SURFACE CONVEX (LARGE) 

FIG.3

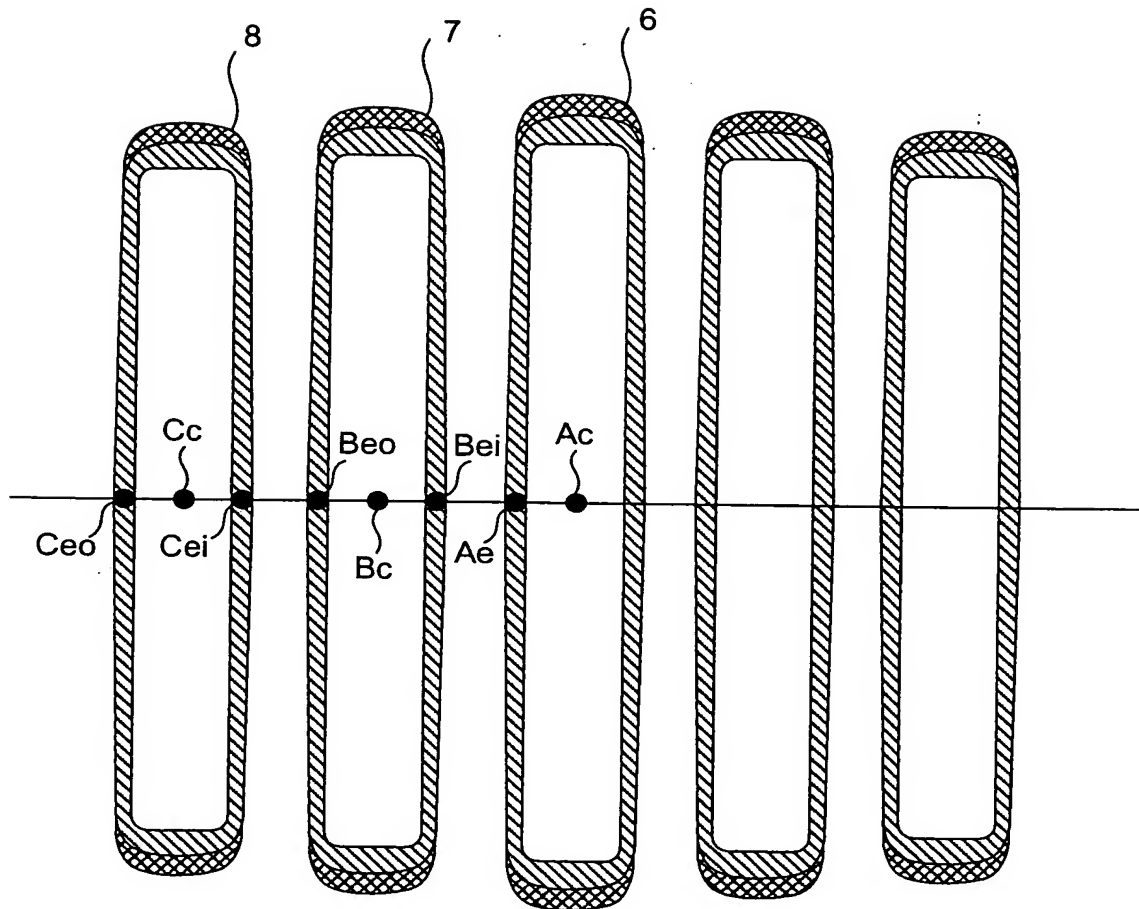


FIG.4

☆ : STEPPED WEAR
★ : RAILWAY WEAR

	CENTER RIB	SECOND RIB		SHOULDER RIB		
		Bei/Bc	Beo/Bc	Cei/Cc	Ceo/Cc	
FIRST COMPARATIVE EXAMPLE	0.88	0.90	1.03★	★1.13	0.88	BOTH OUTER GROOVE EDGES→ RAILWAY WEAR
FIRST CONVENTIONAL EXAMPLE	0.97	1.00	1.03★	★1.13	0.88	BOTH OUTER GROOVE EDGES→ RAILWAY WEAR
FIRST EXAMPLE	0.88	0.90	0.85	0.92	0.86	NONE
SECOND EXAMPLE	0.88	0.90	0.95	0.95	0.88	NONE
THIRD EXAMPLE	0.88	0.90	0.80	0.90	0.85	NONE
SECOND COMPARATIVE EXAMPLE	1.00	1.00	1.00★	★1.00	1.00	BOTH OUTER GROOVE EDGES→ RAILWAY WEAR
THIRD COMPARATIVE EXAMPLE	1.05★	★1.05	1.09★	★1.23	1.20☆	SHOULDER RIB OUTER EDGE→ STEPPED WEAR ALL OTHER RIB EDGES→ RAILWAY WEAR
FOURTH COMPARATIVE EXAMPLE	0.80	0.80	0.75	0.80	0.81☆	SHOULDER RIB OUTER EDGE→ STEPPED WEAR
FIFTH COMPARATIVE EXAMPLE	0.75★	★0.75	0.68★	★0.76	0.59☆	SHOULDER RIB OUTER EDGE→ STEPPED WEAR ALL OTHER RIB EDGES→ RAILWAY WEAR
	(0.80 TO 1.00)	(0.80 TO 1.00)	(0.75 TO 0.95)	(0.80 TO 0.95)	(0.85 TO 1.00)	